

IN THE CLAIMS:

22' Claim 1. [PREVIOUSLY AMENDED] A disposable cover and drape for an endoscopic camera system comprising an optically clear elastomeric film mounted across an annular opening of a first ring segment and held in position at the periphery of the opening by an opposing similarly sized annular opening of a juxtaposed second ring segment, said ring segments and elastomeric film being insertable between an endoscope or elongate lens assembly for insertion into a human body cavity and a mating camera coupler, said first ring segment being dimensioned to cooperatively mate with and be secured to said second ring segment with said second ring segment carrying an expandable flexible plastic tube having a first open end mounted to the annular opening of the second ring segment and a second open end for expanding over and substantially covering said camera system for preventing contamination of said camera system in conjunction with a surgical or exploratory procedure, said elastomeric film having sufficient elastic memory to accept repeated mounting and demounting of one or more elongate lens assemblies to said mating camera coupler without tearing, cracking, splitting or rupturing such that said elastomeric film remains intact and free of wrinkles and visual distortion, said elastomeric film also having an elongation factor of between 100 percent to 1000 percent and a hardness over a range of 50 Shore A to 50 Shore D, exhibiting a resistance to tearing and abrading while retaining a clarity of optical transparency to provide maximum visual acuity.

Claim 2. [CANCELLED].

Claim 3. [ORIGINAL] In accordance with Claim 1, said optically clear elastomeric film may be made from a material selected from a group of elastomeric urethanes including

polyether or polyester based aliphatic, polycaprolactate aliphatic, cycloaliphatic or aromatic, or any blend thereof.

Claim 4. [ORIGINAL] In accordance with Claim 1, said optically clear elastomeric film may be made from elastomeric silicones.

Claims 5 – 6 [CANCELLED].

Claim 7. [ORIGINAL] In accordance with Claim 1, said optically clear elastomeric film having a modulus of 1.0 to 15.0 MPa at 100% elongation and a modulus of 2.0 to 50.0 MPa at 300% elongation.

31
wkt
Claim 8. [ORIGINAL] In accordance with Claim 1, said expandable flexible plastic tube may be made from any waterproof elastomeric or plastic material having a flexibility to collapse and extend in accordion-like fashion with a material thickness in the range between 1.0 mil to 5.0 mils.

Claim 9 [PREVIOUSLY ADDED] An optically clear elastomeric film for use as a barrier and lens between an endoscope or elongate lens assembly and a matable camera coupler, said elastomeric film having sufficient elastic memory to accept repeated mounting and de-mounting of one or more elongate lens assemblies to said mating camera coupler without tearing, cracking, splitting or rupturing such that said elastomeric film remains intact and free of wrinkles and visual distortion, said elastomeric film also having an elongation factor of between 100 percent to 1000 percent and a hardness over a range of 50 Shore A to 50 Shore D, exhibiting a resistance to tearing and abrading while retaining a clarity of optical transparency to provide maximum visual acuity.

Claim 10. [PREVIOUSLY ADDED] In accordance with Claim 9, said optically clear elastomeric film may be made from a material selected from a group of elastomeric urethanes

including polyether or polyester based aliphatic, polycaprolactate aliphatic, cycloaliphatic or aromatic, or any blend thereof.

Claim 11. [PREVIOUSLY ADDED] In accordance with Claim 9, said optically clear elastomeric film may be made from elastomeric silicones.

Claim 12. [PREVIOUSLY ADDED] In accordance with Claim 9, said optically clear elastomeric film having a modulus of 1.0 to 15.0 MPa at 100% elongation and a modulus of 2.0 to 50.0 MPa at 300% elongation.
